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**FROM:** Charles B. Cappellari  
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**TO:** Examiner: To Be Assigned  
Group Art Unit: 1634  
  
U.S. Patent & Trademark Office  
Facsimile No. (703) 872-9306

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Number of pages (including this cover page): 23

In re Patent Application of:	)	Group Art Unit: 1634
GORDON et al.	)	Examiner: To Be Assigned
Serial No. 10/601,913	)	Confirmation No. 8083
Filed: June 23, 2003	)	Atty. Docket No. GP087-04.CN1
For: OLIGONUCLEOTIDES FOR USE	)	Date: February 26, 2004
IN DETERMINING THE	)	
PRESENCE OF HUMAN	)	
PAPILLOMA VIRUS IN A TEST	)	
SAMPLE	)	

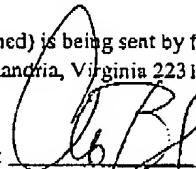
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1. Information Disclosure Statement Under 37 C.F.R. § 1.97(b) (2 pgs.); and
2. PTO/SB/08 forms (10 pg. in duplicate, 20 pgs. total).

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Date: February 26, 2004

By: 

Charles B. Cappellari  
Registration No. 40,937  
Attorney for Applicants

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: ) Group Art Unit: 1634  
GORDON et al. )  
Application Serial No. 10/601,913 ) Examiner: To Be Assigned  
Filed: June 23, 2003 ) Atty. Docket No. GP087-04.CN1  
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PAPILLOMA VIRUS IN A TEST )  
SAMPLE )  
VIA FACSIMILE

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(b)(1)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants bring to the Examiner's attention the references listed on the enclosed PTO/SB/08 forms (two copies of each) for consideration in connection with the examination of the above-identified application. Each listed reference was previously cited during the prosecution of parent application Serial No. 08/749,955. Accordingly, copies of these references are not enclosed herewith.

This Information Disclosure Statement is being submitted under 37 C.F.R. § 1.97(b) before the mailing date of a first Office action on the merits. If Applicants are mistaken, and a first Office action on the merits was mailed on or before the certified date of mailing indicated below, then Applicants request that this Information Disclosure Statement be treated as a submission under 37 C.F.R. § 1.97(c) and that

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U.S. Serial No. 10/601,913  
Atty. Docket No. GP087-04.CN1

the fee due under 37 C.F.R. § 1.17(p) be charged to Deposit Account No. 07-0835 in the name of Gen-Probe Incorporated.

Applicants respectfully request that the Examiner indicate consideration of the cited references by returning a copy of each of the enclosed PTO/SB/08 forms with the Examiner's initials or other appropriate marks.

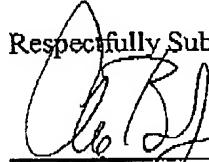
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Date: February 26, 2004

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Respectfully Submitted,

  
\_\_\_\_\_  
Charles B. Cappellari  
Registration Number 40,937  
Attorney for Applicants

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26-FEB-2004 02:18PM FROM-Gen-Probe Incorporated - Patent Dept. +1 858 410 8928 T-958 P.004/023 E-134

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO.  
(233/105) 011648-1

**Citations for Serial No. 10/601,913**  
**Filed June 23, 2003,**  
**Oligonucleotides for Use in Determining the**  
**Presence of Human Papilloma Virus...**  
**Attorney Docket No. CP087-04 CNI**

APPLICANT Page 1 of 10

Gordon et al.

**FILING DATE**

11/14/1996 1655

11/14/1996 1655

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

EXAMINER	DATE CONSIDERED
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 Oligonucleotides for Use in Determining the  
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 Attorney Docket No. CP087-04.CN1  
 Page 2 of 10

**FORM FTO-1449****LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

**APPLICANT:**

Gordon et al.

**FILING DATE:**

June 30, 2000

**GROUP:**

To be assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
AA		3838269 A1	17.05.90	DE			
AB		4431 174 A1	07.03.96	DE			
AC		94/26934	24.11.94	WO/PCT			
AD		2 679 254	17.07.91	FR			
AE		0 402 132 A2	07.06.90	EPO			
AF		92/01815	06.02.92	WO/PCT			
AG		93/12245	24.06.93	WO/PCT			
AH		0 477 972 A2	27.09.91	EPO			
AI		05 192200 A	03.08.93	JP			
AJ		88/066347	07.09.88	WO/PCT			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

		Paper, et al., "Use of sulfonated primers to detect and type papillomavirus in cell cultures and cervical biopsies," Gene 155-161 (1991)
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FORM PTC-1449

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Filed June 23, 2003.  
Oligonucleotides for Use in Determining the  
Presence of Human Papilloma Virus...  
Attorney Docket No. CP087-04.CN

Page 3 of 10

**APPLICANT:**

Gordon et al.

**FILING DATE:**

June 30, 2000

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
AA		93/12245	24.6.93	WO			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

AB	Paper, et al., "Use of sulfonated primers to detect and type papillomavirus in cell cultures and cervical biopsies," <u>Gene</u> 103: 155-161 (1991)

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26-FEB-2004 02:18PM FROM-Gen-Probe Incorporated - Patent Dept. +1 858 410 8928 T-958 P 007/023 F-134  
 FORM PTO-1449 Oligonucleotides for Use in Determining the Presence of Human Papilloma Virus...  
 Attorney Docket No. GP087-04.CN1

Page 4 of 10

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT:  
 Patricia Gordon et al.

FILING DATE:  
 November 14, 1996 GROUP:  
 1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	5	1	8	5	4	3	9	02/09/93	Arnold et al.			
	AB	5	5	0	1	9	4	7	03/26/96	Emery et al.			
	AC	4	9	8	3	7	2	8	01/08/91	Herzog et al.			
	AD	5	0	3	0	5	5	7	07/09/91	Hogan and Milliman			
	AE	5	3	9	9	4	9	1	03/21/95	Kacian et al.			
	AF	5	1	8	2	3	7	7	01/26/93	Manos et al.			
	AG	5	2	8	3	1	7	1	02/01/94	Manos et al.			
	AH	5	0	7	9	3	5	1	01/07/92	Sninsky et al.			

FOREIGN PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION		
													YES	NO	
	AI	0	3	1	3	2	1	9	04/26/89	EPO (Arnold)					
	AJ	2	0	0	2	7	7	5	05/11/90	Canada (Cerutti et al.)					
	AK	9	6	0	6	9	5	0	03/07/96	WO/PCT (Collins et al.)					
	AL	9	0	0	4	7	9	0	05/03/90	WO/PCT (Dillner et al.)					
	AM	9	2	0	1	8	1	5	02/06/92	WO/PCT (Emery et al.)					
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	AO	8	9	0	9	9	4	0	10/19/89	WO/PCT (George and Groff)					
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	AR	9	3	0	2	2	1	7	02/04/93	WO/PCT (Joannes et al.)					
	AS	0	4	7	7	9	7	2	04/01/92	EPO (Joseph et al.)					
	AT	9	0	0	2	8	2	1	03/22/90	WO/PCT (Manos et al.)					
	AU	0	4	8	9	4	4	2	06/10/92	EPO (Mazzatente et al.)					
	AV	9	1	1	0	6	7	5	07/25/91	WO/PCT (Meijer et al.)					
	AW	8	8	0	6	6	3	4	09/07/88	WO/PCT (Morris et al.)					
	AX	9	2	1	4	8	4	7	09/03/92	WO/PCT (Nur et al.)					
	AY	8	9	0	2	9	3	4	04/06/89	WO/PCT (Schwartz and Adams)					
	AZ	0	4	0	2	1	3	2	12/12/80	EPO (Shimada et al.)					

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Received June 23, 2003,  
 Oligonucleotides for Use in Determining the  
 Presence of Human Papilloma Virus...  
 Attorney Docket No. GP087-04.CNL

## FORM PTO-1449

## LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT:	Page 5 of 10 Patricia Gordon et al.	
FILING DATE:	November 14, 1996	GROUP: 1634

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BA	Baker et al., "Structural and Transcriptional Analysis of Human Papillomavirus Type 16 Sequences in Cervical Carcinoma Cell Lines," <i>J. of Virology</i> 61(4):962-971 (1987)	
BB	Barone et al., "In situ activities of bis-dialkylaminophosphines - a new method for synthesizing deoxyoligonucleotides on polymer supports," <i>Nucleic Acids Research</i> 12:4051-4061 (1984)	
BC	Broker et al., "Symposium 7: Papillomaviruses and Human Cancer," <i>Proc. of the Am. Assoc. for Cancer Research</i> , 31:488-490 (March 1990)	
BD	Chow et al., "Human Papillomavirus Gene Expression," in <i>Cancer Cells</i> , Cold Spring Harbor Laboratory, 5:55-71 (1987)	
BE	Cone et al., "Conservation of HPV-16 E6/E7 ORF Sequences in a Cervical Carcinoma," <i>J. of Medical Virology</i> 37:99-107 (1992)	
BF	Cornelissen et al., "Uniformity of the splicing pattern of the E6/E7 transcripts in human papillomavirus type 16-transformed human fibroblasts, human cervical premalignant lesions and carcinomas," <i>J. Gen. Virol.</i> 71:1243-1246 (1990)	
BG	Cosman et al., "Ch. 19 - Detection of Human Papillomavirus Infection," in <i>Molecular Genetics in Cancer Diagnosis</i> , Elsevier, New York, pp. 331-348 (1990)	
BH	Costa et al., "Is Vestibular Papillomatosis Associated With Human Papillomavirus?" <i>J. of Medical Virology</i> , 35:7-13 (1991)	
BI	Crum et al., "Coexpression of the Human Papillomavirus Type 16 E4 and L1 Open Reading Frames in Early Cervical Neoplasia," <i>Virology</i> , 178:238-246 (1990)	
BJ	Crum, "Identifying High-Risk Precursors of Cervical Cancer," <i>Am. J. Clin. Pathology</i> 92(3):379-382 (1989)	
BK	Crum et al., "Pathobiology of Papillomavirus-Related Cervical Diseases: Prospects for Immunodagnosis," <i>Clinical Microbiology Reviews</i> 4(3):270-285 (1991)	
BL	Czegledy et al., "Detection of Human Papillomavirus Deoxyribonucleic Acid by Filter In Situ Hybridization During Pregnancy," <i>J. of Med. Virology</i> 28:250-254 (1989)	
BM	De Britton et al., "Human Papillomaviruses and Other Influences on Survival From Cervical Cancer in Panama," <i>Obstetrics and Gynecology</i> 81:19-24 (1993)	
BN	Doeberitz et al., "Growth-regulating Functions of Human Papillomavirus Early Gene Products in Cervical Cancer Cells Acting Dominant over Enhanced Epidermal Growth Factor Receptor Expression," <i>Cancer Res.</i> 50:3730-3736 (1990)	
BO	Doeberitz et al., "Correlation of Modified Human Papilloma Virus Early Gene Expression with Altered Growth Properties in C4-1 Cervical Carcinoma Cells," <i>Cancer Res.</i> 48:3780-3786 (1988)	
BP	Doeberitz et al., "Influence of chromosomal integration on glucocorticoid-regulated transcription of growth-stimulating papillomavirus genes E6 and E7 in cervical carcinoma cells," <i>Medical Sciences</i> 88:1411-1415 (1991)	
BQ	Doorbar et al., "Detection of Novel Splicing Patterns in a HPV16-Containing Keratinocyte Cell Line," <i>Virology</i> 178:254-262 (1990)	

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LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Page 6 of 10 Patricia Gordon et al.	
		FILING DATE November 14, 1996	GROUP: 1634

	BR	Durst et al., "Inverse Relationship between Human Papillomavirus (HPV) Type 16 Early Gene Expression and Cell Differentiation in Nude Mouse Epithelial Cysts and Tumors Induced by HPV-Positive Human Cell Lines," <i>J. of Virology</i> 65(1):796-804 (1991)
	BS	Eusser et al., "Epidermodysplasia verruciformis associated human papillomaviruses present a subgenus-specific organization of the regulatory genomic region," <i>Nucleic Acids Res.</i> 18(13):3919-3922 (1990)
	BT	Evander et al., "Oligonucleotide primers for DNA amplification of the early regions 1, 6, and 7 from human papillomavirus types 6, 11, 16, 18, 31, and 33," <i>Arch. Virol.</i> 116:221-233 (1991)
	BU	Fackelmann, "Deadly duo leads to cancer of the cervix," <i>Science News</i> 14:38 (1993)
	BV	Falcinelli et al., "Detection of the Human Papilloma Virus Type 16 mRNA-Transcripts in Cytological Abnormal Scrapings," <i>J. of Medical Virology</i> 37:93-98 (1992)
	BW	Firzlaaff et al., "Detection of Human Papillomavirus Capsid Antigens in Various Squamous Epithelial Lesions Using Antibodies Directed against the L1 and L2 Open Reading Frames," <i>Virology</i> 164:467-477 (1988)
	BX	Garuti et al., "Prevalence of different types of human papillomavirus in cervical infection of North Italian women," <i>European J. of Obstetrics &amp; Gynecology and Reproductive Biology</i> 39:227-233 (1991)
	BY	Gius et al., "Inducible and Constitutive Enhancer Domains in the Noncoding Region of Human Papillomavirus Type 18," <i>J. of Virology</i> 62(3):665-672 (1988)
	BZ	Gradus et al., "Significance of Human Papillomavirus (HPV) Infection in a Sexually Transmitted Disease (STD) Clinic," Abstracts of the General Meeting, 408 at abstract no. C-396 (1991)
	CA	Gravitt and Manos, "Polymerase chain reaction-based methods for the detection of human papillomavirus DNA," in <i>The Epidemiology of Cervical Cancer and Human Papillomavirus</i> , edited by Munoz et al., International Agency for Research on Cancer, pp. 121-133 (1992)
	CB	Heilman et al., "Virus-Specific Transcription in Bovine Papillomavirus -Transformed Mouse Cells," <i>Virology</i> 119:22-34 (1982)
	CC	Higgins et al., "Increased age and mortality associated with cervical carcinomas negative for human papillomavirus RNA," <i>The Lancet</i> 338:910-913 (1991)
	CD	Higgins et al., "Differing Characteristics of Human Papillomavirus RNA-Positive and RNA-Negative Anal Carcinomas," <i>Cancer</i> 68(3):561-567 (1991)
	CE	Horn et al., "Genital Human Papillomavirus Infections in Patients Attending an Inner-City STD Clinic," <i>Sexually Transmitted Diseases</i> 18(3):183-187 (1991)
	CF	Howley et al., "Ch. 58 - Papillomavirinae and Their Replication," <i>Virology</i> , Second Edition, edited by Fields et al., Raven Press, Ltd., pp. 1625-1645 (1990)
	CG	Hsu and McNicol, "Characterization of HPV-16 E6/E7 transcription in CaSki cells by quantitative PCR," <i>Molec. Cell. Probes</i> 6:459-466 (1992)
	CH	Hummel et al., "Differentiation-Induced and Constitutive Transcription of Human Papillomavirus Type 31b in Cell Lines Containing Viral Episomes," <i>J. of Virology</i> 66(10):6070-6080 (1992)
	CI	Icenogle et al., "Genotypes and Sequence Variants of Human Papillomavirus DNAs from Human Immunodeficiency Virus Type 1-Infected Women with Cervical Intracapithelial Neoplasia," <i>J. Infectious Diseases</i> 166:1210-1216 (1992)

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 Attorney Docket No. GP087-04.CN1

<b>FORM PTO-1449</b>	
<b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>	
(Use several sheets if necessary)	
<b>APPLICANT:</b>	Page 7 of 10 Patricia Gordon et al.
<b>FILING DATE:</b>	<b>GROUP:</b> November 14, 1996 1634

CJ	Inagaki et al., "Nucleotide Sequences of cDNAs for Human Papillomavirus Type 18 Transcripts in HeLa Cells," <i>J. of Virology</i> 62(5):1640-1646 (1988)
CK	Johnson et al., "Analysis of human papillomavirus type 16 E-6-E7 transcription in cervical carcinomas and normal cervical epithelium using the polymerase chain reaction," <i>J. of General Virology</i> 71:1473-1479 (1990)
CL	Johnson et al., "Typing and Molecular Characterization of Human Papillomaviruses in Genital Warts from South African Women," <i>J. Medical Virology</i> 33:39-42 (1991)
CM	Kemp et al., "Human Papillomavirus Prevalence in Pregnancy," <i>Obstetrics and Gynecology</i> 79(5)Part 1:649-656 (1992)
CN	Kontsky et al., "A Cohort Study of the Risk of Cervical Intraepithelial Neoplasia Grade 2 or 3 in Relation to Papillomavirus Infection," <i>The New England J. of Medicine</i> 327(18):1272-1278 (1992)
CO	Kulski et al., "Human Papillomavirus Coinfections of the Vulva and Uterine Cervix," <i>Journal of Medical Virology</i> 27:244-251 (1989)
CP	Labeit et al., "Increased Detection of HPV 16 Virus in Invasive, But Not in Early Cervical Cancers," <i>J. of Medical Virology</i> 36:131-135 (1992)
CQ	Lane et al., "Rapid determination of 16S ribosomal RNA sequences for phylogenetic analyses," <i>Proc. Natl. Acad. Sci. USA</i> 82:6955-6959 (1985)
CR	Lebu et al., "Papillomavirus genomes in human cervical tumors: Analysis of their transcriptional activity," <i>Proc. Natl. Acad. Sci. USA</i> 82:5540-5544 (1985)
CS	Leminen et al., "Human Papillomavirus Types 16 and 18 in Adenocarcinoma of the Uterine Cervix," <i>Am. J. Clin. Pathology</i> 95(S):647-652 (1991)
CT	Lorincz et al., "Human Papillomavirus Infection of the Cervix: Relative Risk associations of 15 Common Anogenital Types," <i>Obstetrics &amp; Gynecology</i> 79(3):328-337 (1992)
CU	Lorincz et al., "Temporal associations of human papillomavirus infection with cervical cytologic abnormalities," <i>Am. J. Obstet Gynecology</i> 162(3):645-651 (1990)
CV	Lorincz et al., "Oncogenic Association of Specific Human Papillomavirus Types with Cervical Neoplasia," <i>JNCI</i> 79(4):671-677 (1987)
CW	Lucotte et al., "A multiple primer pairs polymerase chain reaction for the detection of human genital papillomavirus types," <i>Mol. Cell. Probes</i> 7:339-344 (1993)
CX	Marshall et al., "Trans-Regulation and Differential Cell Specificity of Human Papillomavirus Types 16, 18, and 11 Cis-Acting Elements," <i>J. Medical Virology</i> 29:115-126 (1989)
CY	McCance, "Ch. 98-Papillomaviruses," in <i>Manual of Clinical Microbiology</i> , 5th edition, edited by Balows et al., American Soc. for Microbiol, Washington, D.C., pp. 998-1004 (1991)
CZ	Miller et al., "Evaluation of Gen-Probe Amplified Mycobacterium Tuberculosis Direct Test and PCR for Direct Detection of <i>Mycobacterium tuberculosis</i> in Clinical Specimens," <i>J. Clinical Microbiology</i> 32:393-397 (1994)
DA	Mitchell et al., "Second Genital Primary Squamous Neoplasms in Vulvar Carcinoma: Viral and Histopathologic Correlates," <i>Obstetrics &amp; Gynecology</i> 81(1):13-18 (1993)
DB	Morrison et al., "Human Papillomavirus Infection and Other Risk Factors for Cervical Neoplasia: A Case-Control Study," <i>Int. J. Cancer</i> 49:6-13 (1991)

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26-FEB-2004 02:20PM FROM-Gen-Probe Incorporated - Patent Dept.

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Attorney Docket No. GP087-04.CNI

## FORM PTO-1449

## LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Page 8 of 10

Patricia Gordon et al.

FILING DATE:  
November 14, 1996GROUP:  
1634

	DC	Nagai et al., "Detection of Papillomavirus Nucleic Acids in Genital Precancers with the In Situ Hybridization Technique," <u>International J. Gynecological Pathology</u> 6(4):366-379 (1987)
	DD	Nielsen, "Human Papillomavirus Type 16/18 in Uterine Cervical Adenocarcinoma In Situ and Adenocarcinoma," <u>Cancer</u> 65(11):2588-2593 (1990)
	DE	Nishikawa et al., "Relatively Low Prevalence of Human Papillomavirus 16, 18 and 33 DNA in the Normal Cervices of Japanese Women Shown by Polymerase Chain Reaction," <u>Jpn. J. Cancer Res.</u> 82:532-538 (1991)
	DF	Nuovo et al., "Occurrence of Multiple Types of Human Papillomavirus in Genital Tract Lesions," <u>Am. J. Pathol.</u> 138:53-58 (1991)
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	DI	Reddy et al., Specific amplification of <i>Aspergillus fumigatus</i> DNA by polymerase chain reaction," <u>Molecular and Cellular Probes</u> 7:121-126 (1993)
	DJ	Reeves et al., "Human Papillomavirus Infection and Cervical Cancer in Latin America," <u>The New Eng. J. of Med.</u> 320(22):1437-1441 (1989)
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	DL	Riou et al., "Association between poor prognosis in early-stage invasive cervical carcinomas and non-detection of HPV DNA," <u>The Lancet</u> 335:1171-1174 (1990)
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	DN	Rodríguez et al., "Simplified PCR-Based Detection and Typing Strategy for Human Papillomavirus Utilizing a Single Oligonucleotide Primer Set," <u>BioTechniques</u> 10(5):632-636 (1991)
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## FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

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	EL	van Doornum et al., "Prevalence of Human Papillomavirus Infections Among Heterosexual Men and Women With Multiple Sexual Partners," <u>J. of Medical Virology</u> 37:13-21 (1992)
	EM	Van Ranst et al., "Phylogenetic classification of human papillomaviruses: correlation with clinical manifestations," <u>J. Gen. Vir.</u> 73:2653-2660 (1992)
	EN	Vandenveldt et al., "Prevalence of High Risk Genital Papillomaviruses in the Belgian Female Population Determined by Fast Multiplex Polymerase Chain Reaction," <u>J. Med. Virol.</u> 36:279-282 (1992)
	EO	Villa et al., "An approach to human papillomavirus identification using low stringency single specific primer PCR," <u>Molecular and Cellular Probes</u> 9:45-48 (1995)
	EP	Vormwald-Dogan et al., "Sense and antisense transcripts of human papillomavirus type 16 in cervical cancers," <u>J. of Gen. Virology</u> 73:1833-1838 (1992)
	EQ	Weisburg et al., "A Phylogenetic Analysis of the Mycoplasmas: Basis for their Classification," <u>J. Bacteriol.</u> 171:6455-6467 (1989)
	ER	Wilczynski et al., "Human Papillomaviruses and Cervical Cancer: Analysis of Histopathologic Features Associated with Different Viral Types," <u>Human Pathology</u> 19(6):697-704 (1988)
	ES	Williamson et al., "Typing of Human Papillomaviruses in Cervical Intraepithelial Neoplasia Grade 3 Biopsies From Cape Town," <u>J. of Medical Virology</u> 28:146-149 (1989)
	ET	Yee et al., "Presence and Expression of Human Papillomavirus Sequences in Human Cervical Carcinoma Cell Lines," <u>Amer. Journal Pathology</u> 119(3):361-366 (1985)
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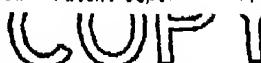
FORM PTO-1449			Oligonucleotides for Use in Determining the Presence of Human Papilloma Virus.. Attorney Docket No. GP087-04.CN1	
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)			Page 9 of 10 Patricia Gordon et al.	
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DV	Seedorf et al., "Identification of early proteins of the human papilloma virus type 16 (HPV 16) and type 18 (HPV 18) in cervical carcinoma cells," <u>The EMBO J.</u> 6(1):139-144 (1987)
DW	Shah and Howley, "Ch. 59-Papillomaviruses," in <u>Virology</u> , Second Edition, edited by Fields et al., Raven Press, Ltd., pp. 1651-1676 (1990)
DX	Sherman et al., "Expression and Splicing Patterns of Human Papillomavirus Type-16 mRNAs in Pre-Cancerous Lesions and Carcinomas of The Cervix, in Human Keratinocytes Immortalized by HPV 16, and in Cell Lines Established From Cervical Cancers," <u>Int. J. Cancer</u> 50:356-364 (1992)
DY	Shirasawa et al., "Transcriptional Differences of the Human Papillomavirus Type 16 Genome between Precancerous Lesions and Invasive Carcinomas," <u>J. of Virology</u> 62(3):1022-1027 (1988)
DZ	Shirasawa et al., "Quantitative Detection of Spliced E6-E7 Transcripts of Human Papillomavirus Type 16 in Cervical Premalignant Lesions," <u>Virology</u> 184:795-798 (1991)
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ED	Southern, "Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis," <u>J. Mol. Biol.</u> 98:503-517 (1975)
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**Citations for Serial No. 10/601,913  
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Attorney Docket No. GP087-04-CNT**

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	AA	3838269 A1	17.05.90	DE			
	AB	4431 174 A1	07.03.96	DE			
	AC	94/26934	24.11.94	WO/PCT			
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	AK	Paper, et al., "Use of sulfonated primers to detect and type papillomavirus in cell cultures and cervical biopsies," <u>Gene</u> 155-161 (1991)
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AB	Paper, et al., "Use of sulfonated primers to detect and type papillomavirus in cell cultures and cervical biopsies," Gene 103: 155-161 (1991)

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	5	1	8	5	4	3	9	02/09/93	Arnold et al.			
	AB	5	5	0	1	9	4	7	03/26/96	Emery et al.			
	AC	4	9	8	3	7	2	8	01/08/91	Herzog et al.			
	AD	5	0	3	0	5	5	7	07/09/91	Hogan and Milliman			
	AE	5	3	9	9	4	9	1	03/21/95	Kacian et al.			
	AF	5	1	8	2	3	7	7	01/26/93	Manos et al.			
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	AV	9	1	1	0	6	7	5	07/25/91	WO/PCT (Meijer et al.)					
	AW	8	8	0	6	6	3	4	09/07/88	WO/PCT (Morris et al.)					
	AX	9	2	1	4	8	4	7	09/03/92	WO/PCT (Nur et al.)					
	AY	8	9	0	2	9	3	4	04/06/89	WO/PCT (Schwartz and Adams)					
	AZ	0	4	0	2	1	3	2	12/12/80	EPO (Shimada et al.)					

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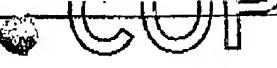
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BB	Barone et al., "In situ activities of bis-dialkylaminophosphines — a new method for synthesizing deoxyoligonucleotides on polymer supports," <i>Nucleic Acids Research</i> 12:4051-4061 (1984)	
BC	Broker et al., "Symposium 7: Papillomaviruses and Human Cancer," <i>Proc. of the Am. Assoc. for Cancer Research</i> , 31:488-490 (March 1990)	
BD	Chow et al., "Human Papillomavirus Gene Expression," in <i>Cancer Cells</i> , Cold Spring Harbor Laboratory, 5:55-71 (1987)	
BE	Cone et al., "Conservation of HPV-16 E6/E7 ORF Sequences in a Cervical Carcinoma," <i>J. of Medical Virology</i> 37:99-107 (1992)	
BF	Cornelissen et al., "Uniformity of the splicing pattern of the E6/E7 transcripts in human papillomavirus type 16-transformed human fibroblasts, human cervical premalignant lesions and carcinomas," <i>J. Gen. Virol.</i> 71:1243-1246 (1990)	
BG	Cosman et al., "Ch. 19 - Detection of Human Papillomavirus Infection," in <i>Molecular Genetics in Cancer Diagnosis</i> , Elsevier, New York, pp. 331-348 (1990)	
BH	Costa et al., "Is Vestibular Papillomatosis Associated With Human Papillomavirus?" <i>J. of Medical Virology</i> , 35:7-13 (1991)	
BI	Crum et al., "Coexpression of the Human Papillomavirus Type 16 E4 and L1 Open Reading Frames in Early Cervical Neoplasia," <i>Virology</i> , 178:238-246 (1990)	
BJ	Crum, "Identifying High-Risk Precursors of Cervical Cancer," <i>Am. J. Clin. Pathology</i> 92(3):379-382 (1989)	
BK	Crum et al., "Pathobiology of Papillomavirus-Related Cervical Diseases: Prospects for Immunodagnosis," <i>Clinical Microbiology Reviews</i> 4(3):270-285 (1991)	
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	BR	Durst et al., "Inverse Relationship between Human Papillomavirus (HPV) Type 16 Early Gene Expression and Cell Differentiation in Nude Mouse Epithelial Cysts and Tumors Induced by HPV-Positive Human Cell Lines," <i>J. of Virology</i> 65(1):796-804 (1991)
	BS	Ensler et al., "Epidermodysplasia verruciformis associated human papillomaviruses present a subgenus-specific organization of the regulatory genome region," <i>Nucleic Acids Res.</i> 18(13):3919-3922 (1990)
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	BU	Fackelmann, "Deadly duo leads to cancer of the cervix," <i>Science News</i> 14:38 (1993)
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	CA	Gravitt and Manos, "Polymerase chain reaction-based methods for the detection of human papillomavirus DNA," in <i>The Epidemiology of Cervical Cancer and Human Papillomavirus</i> , edited by Munoz et al., International Agency for Research on Cancer, pp. 121-133 (1992)
	CB	Heilman et al., "Virus-Specific Transcription in Bovine Papillomavirus-Transformed Mouse Cells," <i>Virology</i> 119:22-34 (1982)
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	CD	Higgins et al., "Differing Characteristics of Human Papillomavirus RNA-Positive and RNA-Negative Anal Carcinomas," <i>Cancer</i> 68(3):561-567 (1991)
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	CF	Howley et al., "Ch. 58 - Papillomavirinae and Their Replication," <i>Virology</i> , Second Edition, edited by Fields et al., Raven Press, Ltd., pp. 1625-1645 (1990)
	CG	Hsu and McNicol, "Characterization of HPV-16 E6/E7 transcription in CaSki cells by quantitative PCR," <i>Molec. Cell. Probes</i> 6:459-466 (1992)
	CH	Hummel et al., "Differentiation-Induced and Constitutive Transcription of Human Papillomavirus Type 31b in Cell Lines Containing Viral Episomes," <i>J. of Virology</i> 66(10):6070-6080 (1992)
	CI	Icenogle et al., "Genotypes and Sequence Variants of Human Papillomavirus DNAs from Human Immunodeficiency Virus Type 1-Infected Women with Cervical Intruepithelial Neoplasia," <i>J. Infectious Diseases</i> 166:1210-1216 (1992)

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Presence of Human Papilloma Virus...  
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## FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
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(Use several sheets if necessary)

APPLICANT:  
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	CJ	Inagaki et al., "Nucleotide Sequences of cDNAs for Human Papillomavirus Type 18 Transcripts in HeLa Cells," <i>J. of Virology</i> 62(5):1640-1646 (1988)
	CK	Johnson et al., "Analysis of human papillomavirus type 16 E-6-E7 transcription in cervical carcinomas and normal cervical epithelium using the polymerase chain reaction," <i>J. of General Virology</i> 71:1473-1479 (1990)
	CL	Johnson et al., "Typing and Molecular Characterization of Human Papillomaviruses in Genital Warts from South African Women," <i>J. Medical Virology</i> 33:39-42 (1991)
	CM	Kemp et al., "Human Papillomavirus Prevalence in Pregnancy," <i>Obstetrics and Gynecology</i> 79(5)Part 1:649-656 (1992)
	CN	Koutsky et al., "A Cohort Study of the Risk of Cervical Intraepithelial Neoplasia Grade 2 or 3 in Relation to Papillomavirus Infection," <i>The New England J. of Medicine</i> 327(18):1272-1278 (1992)
	CO	Kulski et al., "Human Papillomavirus Coinfections of the Vulva and Uterine Cervix," <i>Journal of Medical Virology</i> 27:244-251 (1989)
	CP	Labeit et al., "Increased Detection of HPV 16 Virus in Invasive, But Not in Early Cervical Cancers," <i>J. of Medical Virology</i> 36:131-135 (1992)
	CQ	Lane et al., "Rapid determination of 16S ribosomal RNA sequences for phylogenetic analyses," <i>Proc. Natl. Acad. Sci. USA</i> 82:6955-6959 (1985)
	CR	Lehn et al., "Papillomavirus genomes in human cervical tumors: Analysis of their transcriptional activity," <i>Proc. Natl. Acad. Sci. USA</i> 82:5540-5544 (1985)
	CS	Lominen et al., "Human Papillomavirus Types 16 and 18 in Adenocarcinoma of the Uterine Cervix," <i>Am. J. Clin. Pathology</i> 95(5):647-652 (1991)
	CT	Lorincz et al., "Human Papillomavirus Infection of the Cervix; Relative Risk associations of 15 Common Anogenital Types," <i>Obstetrics &amp; Gynecology</i> 79(3):328-337 (1992)
	CU	Lorincz et al., "Temporal associations of human papillomavirus infection with cervical cytologic abnormalities," <i>Am. J. Obstet Gynecology</i> 162(3):645-651 (1990)
	CV	Lorincz et al., "Oncogenic Association of Specific Human Papillomavirus Types with Cervical Neoplasia," <i>JNCI</i> 79(4):671-677 (1987)
	CW	Lucotte et al., "A multiple primer pairs polymerase chain reaction for the detection of human genital papillomavirus types," <i>Mol. Cell. Probes</i> 7:339-344 (1993)
	CX	Marshall et al., "Trans-Regulation and Differential Cell Specificity of Human Papillomavirus Types 16, 18, and 11 Cis-Acting Elements," <i>J. Medical Virology</i> 29:115-126 (1989)
	CY	McCance, "Ch. 98-Papillomaviruses," in <i>Manual of Clinical Microbiology</i> , 5th edition, edited by Balows et al., American Soc. for Microbiol., Washington, D.C., pp. 998-1004 (1991)
	CZ	Miller et al., "Evaluation of Gen-Probe Amplified <i>Mycobacterium Tuberculosis</i> Direct Test and PCR for Direct Detection of <i>Mycobacterium tuberculosis</i> in Clinical Specimens," <i>J. Clinical Microbiology</i> 32:393-397 (1994)
	DA	Mitchell et al., "Second Genital Primary Squamous Neoplasms in Vulvar Carcinoma: Viral and Histopathologic Correlates," <i>Obstetrics &amp; Gynecology</i> 81(1):13-18 (1993)
	DB	Morrison et al., "Human Papillomavirus Infection and Other Risk Factors for Cervical Neoplasia: A Case-Control Study," <i>Int. J. Cancer</i> 49:6-13 (1991)

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	DC	Nagai et al., "Detection of Papillomavirus Nucleic Acids in Genital Precancers with the In Situ Hybridization Technique," <u>International J. Gynecological Pathology</u> 6(4):366-379 (1987)
	DD	Nielsen, "Human Papillomavirus Type 16/18 in Uterine Cervical Adenocarcinoma In Situ and Adenocarcinoma," <u>Cancer</u> 65(11):2588-2593 (1990)
	DE	Nishikawa et al., "Relatively Low Prevalence of Human Papillomavirus 16, 18 and 33 DNA in the Normal Cervices of Japanese Women Shown by Polymerase Chain Reaction," <u>Jpn. J. Cancer Res.</u> 82:532-538 (1991)
	DF	Nuovo et al., "Occurrence of Multiple Types of Human Papillomavirus in Genital Tract Lesions," <u>Am. J. Pathol.</u> 138:S3-S8 (1991)
	DG	Nuovo et al., "Human Papillomavirus DNA in Genital Tract Lesions Histologically Negative for Condylomata," <u>The Am. J. of Surgical Pathology</u> 14(7):643-651 (1990)
	DH	Rakoczy et al., "Time Trends in the Prevalence of Human Papillomavirus Infections in Archival Papanicolaou Smears: Analysis by Cytology, DNA Hybridization, and Polymerase Chain Reaction," <u>J. of Medical Virology</u> 32:10-17 (1990)
	DI	Reddy et al., "Specific amplification of <i>Aspergillus fumigatus</i> DNA by polymerase chain reaction," <u>Molecular and Cellular Probes</u> 7:121-126 (1993)
	DJ	Reeves et al., "Human Papillomavirus Infection and Cervical Cancer in Latin America," <u>The New Eng. J. of Med.</u> 320(22):1437-1441 (1989)
	DK	Resnick et al., "Detection and Typing of Human Papillomavirus in Archival Cervical Cancer Specimens by DNA Amplification with Consensus Primers," <u>J. of National Cancer Institute</u> 82(18):1477-1484 (1990)
	DL	Riou et al., "Association between poor prognosis in early-stage invasive cervical carcinomas and non-detection of HPV DNA," <u>The Lancet</u> 335:1171-1174 (1990)
	DM	Ritter et al., "Detection of human papillomavirus deoxyribonucleic acid in exfoliated cervicovaginal cells as a predictor of cervical neoplasia in a high-risk population," <u>Am. J. Obstetrics &amp; Gynecology</u> 159(6):1517-1525 (1988)
	DN	Rodu et al., "Simplified PCR-Based Detection and Typing Strategy for Human Papillomavirus Utilizing a Single Oligonucleotide Primer Set," <u>BioTechniques</u> 10(5):632-636 (1991)
	DO	Rohlf et al., "Viral Transcription in Human Keratinocyte Cell Lines Immortalized by Human Papillomavirus Type-16," <u>Virology</u> , 183:331-342 (1991)
	DP	Roman and Fife, "Human Papillomaviruses: Are We Ready to Type?" <u>Clin. Microbiol. Rev.</u> 2:166-190 (1989)
	DQ	Sambrook et al., <u>Molecular Cloning: A Laboratory Manual</u> 2:11 (2d ed. 1989)
	DR	Sang and Barbosa, "Increased E6/E7 Transcription in HPV 18-Immortalized Human Keratinocytes Results from Inactivation of E2 and Additional Cellular Events," <u>Virology</u> 189:448-455 (1992)
	DS	Schneider et al., "Repeated Evaluation of Human Papillomavirus 16 Status in Cervical Swabs of Young Women With a History of Normal Papanicolaou Smears," <u>Obstetrics &amp; Gynecology</u> 79(5)Part 1:683-688 (1992)
	DT	Schneider et al., "Papillomavirus Infection of the Lower Genital Tract: Detection of Viral DNA in Gynecological Swabs," <u>Int. J. Cancer</u> 35:443-448 (1985)

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	DU	Schneider-Gadicke and Schwarz., "Different human cervical carcinoma cell lines show similar transcription patterns of human papillomavirus type 18 early genes," <u>The EMBO J</u> 5(9):2285-2292 (1986)
	DV	Seedorf et al., "Identification of early proteins of the human papilloma virus type 16 (HPV 16) and type 18 (HPV 18) in cervical carcinoma cells," <u>The EMBO J</u> 6(1):139-144 (1987)
	DW	Shah and Howley., "Ch. 59-Papillomaviruses," in <u>Virology</u> , Second Edition, edited by Fields et al., Raven Press, Ltd., pp. 1651-1676 (1990)
	DX	Sherman et al., "Expression and Splicing Patterns of Human Papillomavirus Type-16 mRNAs in Pre-Cancerous Lesions and Carcinomas of The Cervix, in Human Keratinocytes Immortalized by HPV 16, and in Cell Lines Established From Cervical Cancers," <u>Int. J. Cancer</u> 50:356-364 (1992)
	DY	Shirasawa et al., "Transcriptional Differences of the Human Papillomavirus Type 16 Genome between Precancerous Lesions and Invasive Carcinomas," <u>J. of Virology</u> 62(3):1022-1027 (1988)
	DZ	Shirasawa et al., "Quantitative Detection of Spliced E6-E7 Transcripts of Human Papillomavirus Type 16 in Cervical Premalignant Lesions," <u>Virology</u> 184:795-798 (1991)
	EA	Shirasawa et al., "Integration and Transcription of Human Papillomavirus Type 16 and 18 Sequences in Cell Lines Derived from Cervical Carcinomas," <u>J. of Virology</u> 63:583-591 (1987)
	EB	Smotkin et al., "Oncogenic and Nononcogenic Human Genital Papillomaviruses Generate the E7 mRNA by Different Mechanisms," <u>J. of Virology</u> 63(3):1441-1447 (1989)
	EC	Smotkin et al., "Transcription of human papillomavirus type 16 early genes in a cervical cancer and a cancer-derived cell line and identification of the E7 protein," <u>Proc. Natl. Acad. Sci. USA</u> 83:4680-4684 (1986)
	ED	Southern, "Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis," <u>J. Mol. Biol.</u> 98:503-517 (1975)
	EE	Spence et al., "Analysis of Human Papillomavirus Sequences in Cell Lines Recently Derived from Cervical Cancers," <u>Cancer Research</u> 48:324-328 (1988)
	EF	Stoker et al., "In Situ Hybridization Detection of Human Papillomavirus DNAs and Messenger RNAs in Genital Condylomas and a Cervical Carcinoma," <u>Human Pathology</u> 17(12):1250-1258 (1986)
	EG	Tabbara et al., "The Bethesda Classification for Squamous Intraepithelial Lesions: Histologic, Cytologic, and Viral Correlates," <u>Obstetrics &amp; Gynecology</u> 79(3):338-346 (1992)
	EH	Tanaka et al., "Identification of a Transforming Gene of Human Papillomavirus Type 16," <u>J. of Virology</u> 63(3):1465-1469 (1989)
	EI	Thompson et al., "Detection of HPV DNA in Archival Specimens of Cervical Cancer Using In Situ Hybridization and the Polymerase Chain Reaction," <u>J. Med. Virol.</u> 36:54-56 (1992)
	EJ	Tsunokawa et al., "Presence of Human Papillomavirus Type-16 and Type-18 DNA Sequences and Their Expression in Cervical Cancers and Cell Lines from Japanese Patients," <u>Int. J. Cancer</u> 37:499-503 (1986)
	EK	van den Brule et al., "Use of Anticontamination Primers in the Polymerase Chain Reaction for the Detection of Human Papilloma Virus Genotypes in Cervical Scrapes and Biopsies," <u>J. Med. Virology</u> 28:20-27 (1989)

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	EL	van Doornum et al., "Prevalence of Human Papillomavirus Infections Among Heterosexual Men and Women With Multiple Sexual Partners," <i>J. of Medical Virology</i> 37:13-21 (1992)
	EM	Van Ranst et al., "Phylogenetic classification of human papillomaviruses: correlation with clinical manifestations," <i>J. Gen. Vir.</i> 73:2653-2660 (1992)
	EN	Vandenveld et al., "Prevalence of High Risk Genital Papillomaviruses in the Belgian Female Population Determined by Fast Multiplex Polymerase Chain Reaction," <i>J. Med. Virol.</i> 36:279-282 (1992)
	EO	Villa et al., "An approach to human papillomavirus identification using low stringency single specific primer PCR," <i>Molecular and Cellular Probes</i> 9:45-48 (1995)
	EP	Vormwald-Dogan et al., "Sense and antisense transcripts of human papillomavirus type 16 in cervical cancers," <i>J. of Gen. Virology</i> 73:1833-1838 (1992)
	EQ	Weisburg et al., "A Phylogenetic Analysis of the Mycoplasmas: Basis for their Classification," <i>J. Bacteriol.</i> 171:6455-6467 (1989)
	ER	Wilczynski et al., "Human Papillomaviruses and Cervical Cancer: Analysis of Histopathologic Features Associated with Different Viral Types," <i>Human Pathology</i> 19(6):697-704 (1988)
	ES	Williamson et al., "Typing of Human Papillomaviruses in Cervical Intraepithelial Neoplasia Grade 3 Biopsies From Cape Town," <i>J. of Medical Virology</i> 28:146-149 (1989)
	ET	Yee et al., "Presence and Expression of Human Papillomavirus Sequences in Human Cervical Carcinoma Cell Lines," <i>Amer. Journal Pathology</i> 119(3):361-366 (1985)
	EU	Yokota et al., "Detection of Human Papillomavirus Types 6/11, 16 and 18 in Exfoliated Cells from the Uterine Cervixes of Japanese Women with and without Lesions," <i>Jpn. J. Cancer Res.</i> 81:896-901 (1990)
	EV	Young et al., "PCR for the Detection of Genital Human Papillomavirus Infection: A Mixed Blessing," <i>Ann. Med.</i> 24:215-219 (1992)

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